

Completed by
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DRAFT REPORT OUTLINE
CALIFORNIA URBAN WATER AGENCIES
STUDY OF DRINKING WATER QUALITY IN DELTA TRIBUTARIES

EXECUTIVE SUMMARY

CHAPTER 1. INTRODUCTION

- A. Purpose of the study - determine if control of contaminant sources upstream of the Delta would result in improvements in drinking water quality in the Delta and at key tributary locations.
- B. Approach - evaluate a) impacts of discharges on Delta tributaries and b) the significance of the Delta tributaries on Delta export water quality.
- C. Conduct of the study
- D. Content of report chapters

CHAPTER 2. IDENTIFICATION OF PRELIMINARY MANAGEMENT ALTERNATIVES, SOURCES, AND CONTAMINANTS (Technical Memorandum #1)

- A. Relationship of contaminants of concern, benchmark locations, and contaminant sources to management alternatives
- B. Contaminants of concern
 - 1. List of selected contaminants and reasons why selected (D-DBP Rule, ICR, ESWTR, As MCL)
 - 2. Discussion of THMFP and TFPC relationship to organic carbon
 - 3. Discussion of how TOC differs depending on the source
 - 4. Pesticides treated separately
- C. Contaminant sources (agriculture, urban runoff, wastewater, mine drainage treated separately)
- D. Benchmark locations (discuss the original five locations)
- E. Preliminary management alternatives (Colusa Basin Drain and Sacramento Slough, Sacramento Regional Wastewater Treatment Plant, Sacramento urban runoff, Sacramento Combined Sewer overflows, Mud and Salt sloughs)

CHAPTER 3. DATA IDENTIFICATION AND COLLECTION

- A. Description of Monitoring Programs with relevant data
- B. Summary of data identified and collected for the study
- C. Approach to data comparability, validity, QA/QC, etc.

CHAPTER 4. MASS LOADING ANALYSIS (Technical Memorandum #5)

- A. Mass loads methodology
 - 1. Time series plots
 - 2. Statistical load proportions
- B. Selected contaminants, benchmark locations, and discharges
- C. Mass Loading Results
 - 1. Analysis by contaminant
 - 2. Summary of significance of tributaries
 - 3. Impact at south Delta export pumps
 - 4. Discussion of which management alternatives could potentially result in reduction of contaminants
 - 5. Health risk discussion
 - 6. Monitoring needs - a) approach to determining needs and b) monitoring needs

CHAPTER 5. FINDINGS AND RECOMMENDATIONS

- A. Preliminary analysis of alternatives *discussion of perspectives*
- B. Additional monitoring recommended to resolve inconclusive issues
- C. Additional recommended study issues (Phase II)

APPENDICES

Technical Memorandum #2A on Mine Drainage
Technical Memorandum #2B on Delta Agricultural drainage
Technical Memorandum #4 on Pesticides